



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

20
SEP 16 1987

MEMORANDUM

SUBJECT: Transmittal of Inspection Report - RCRA

FROM: Robert B. Dona *RB Dona*
Chief, RCRA Monitoring Section, EMCM/ENSV

TO: Michael J. Sanderson
Chief, RCRA Section, WSTM

This memorandum transmits the following RCRA compliance evaluation inspection report performed by the RCRA Monitoring Section, Environmental Monitoring and Compliance Branch, Environmental Services Division.

<u>Facility</u>	<u>EPA I.D. Number</u>	<u>Activity No.</u>	<u>Areas of Non-Compliance</u>
<i>St Louis Thermal Energy</i> Union Electric Ashley Facility St. Louis, Missouri	MOD000805499	ALF22	None observed

Attachment

RECEIVED

SEP 17 1987

USEPA, RCRA Branch



R00136610
RCRA RECORDS CENTER

REPORT OF RCRA COMPLIANCE INSPECTION

AT

UNION ELECTRIC CO. / ASHLEY FACILITY

ST. LOUIS, MISSOURI

EPA I.D. NUMBER: MOD000805499

ON

JULY 21-22, 1987

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY

Region VII

Environmental Services Division

INTRODUCTION

At the request of the Waste Management Division (WSTM), a compliance evaluation inspection (CEI) was performed at Union Electric Company's Ashley Facility in St. Louis, Missouri on July 21-22, 1987. The inspection was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. This report and its attachments present the results of the inspection.

PARTICIPANTS

Union Electric Ashley Facility (UEA) :
Don Crawford, Plant Manager
Paul Pike, Environmental Specialist

U.S. Environmental Protection Agency (EPA) :
Kathryn Lawrence, Environmental Engineer

INSPECTION PROCEDURES

Upon arrival at the facility, I met with Paul Pike who introduced me to the plant manager, Don Crawford. Mr. Crawford escorted us to his office. At that time, I presented my EPA credentials and explained the purpose of the inspection and the procedures that I would follow. The inspection consisted of a discussion of UEA's hazardous waste management activities, a record review, and a visual inspection. At the end of the visual inspection, I conducted an out-briefing. I discussed my findings and observations with the representatives and Mr. Crawford signed a

document receipt and Confidential Business Information (CBI) form which claimed that none of the information gathered during the CBI needed to be handled as CBI. These documents are provided in attachments 1 and 2, respectively. No NOV was issued at the end of this inspection.

FACILITY DESCRIPTION

The Union Electric Ashley Facility is located at 4 Ashley Rd. in St. Louis, Mo. The facility is a power plant which generates electricity for the St. Louis metropolitan area. The plant uses number six fuel oil to feed the plant boilers which in turn generate turbine steam for the generation of electricity. UEA submitted a notification of Hazardous waste activity on 1/31/87 which listed the facility as a burner of hazardous waste fuel and off-specification oil. This notification also provided that UEA would burn these fuels in a Utility Boiler. The facility also received a resource recovery permit from MDNR on September 24, 1986. The Permit does not specify burn parameters.

FINDINGS AND OBSERVATIONS

UEA only accepts and burns off-specification fuel oil from other Union Electric divisions. Hazardous waste fuel was not being accepted or burned at the time of this inspection. With the exception of one of the Union Electric divisions, the Union Electric Dorsett facility, all are reportedly conditionally exempt small quantity generators. The Dorsett facility falls into small quantity generator status four times annually when it generates and ships quantities of Safety Kleen solvents. However, all waste fuels received by UEA are defined as off-specification used oil.

A. Waste Streams

1. Off-specification Used Oil

UEA receives approximately 10,000 gallons of used oil per month from other Union Electric divisions. According to facility representatives, the waste oil that UEA receives is only non-PCB oil. It is received on a bi-weekly basis and is mixed with number six fuel oil in a 250,000 gallon tank before being burned in the facility boilers. UEA performs analyses on all received oil, which is transported in a four compartment tanker. Three samples are taken at varied depths in each compartment, composited, and analyzed. A number of these analyses are provided in attachment 3. It should be noted here that the majority of the analyses provide that the halogen content of the oils received is above 1000 ppm. Pursuant to 40 CFR 266.40(c), used oils containing greater than 1000 ppm halogens are assumed to have been mixed with hazardous wastes unless the facility can prove otherwise. UEA representatives provided that the high halogen content was due to the detergents that are present in many of the oils before use. Although this appears to be a viable explanation, another possibility may be the introduction of PCB contaminated oils into the used oil transported to UEA. Since UEA does

not perform PCB analyses on the used oil, sufficient information was not available to make an accurate determination of the used oil's PCB content. However, the possibility of PCB contamination may warrant further investigation.

The used oils generated by UEA are also mixed with clean fuel oil in the #6 fuel oil tank to be burned in the facility boilers. The burn rate for the mixed oil is reportedly 125,000 gallons per week.

2. Waste Solvent

The only solvent used in UEA maintenance activities is mineral spirit based Navitone. It solvent is used in two parts washers in the maintenance shop and is also used to clean burning guns. According to the attachment 4 material safety data sheet, Navitone has a boiling point of 212F and a flash point above 212F. It is not a hazardous waste when spent. Approximately 300 gallons of waste navitone are generated per annum and are mixed with used oil for burning in the facility boilers.

B. Records

1. Inspection Record

UEA personnel inspect the number 6 fuel tank on a weekly basis. An example of the facility's logsheet is provided in attachment 5.

2. Manifests

Manifests are reportedly used for all shipments of waste oil. A number of examples are provided in attachment 6.

3. Analyses

As discussed above, UEA performs analyses on each batch of used oil that is received. A number of analyses are provided in attachment 3.

4. Notifications

UEA has not received marketer notification form the Union Electric divisions that ship off-specification oil to the facility. In addition, UEA has not provided off-specification used oil burner notification to those division. Facility representatives stated that they did not believe the notification to be necessary since both burner and marketer were essentially part of the same company.

C. Visual Inspection

1. Fuel Tank (Photographs 1-2)

Photographs 1-2 depict UEA's #6 fuel tank. Oil stains were observed on the surrounding soils. However, the stains appeared to be due to de minimus losses from line drippings. No problems were observed in this area.

2. Maintenance Shop

The maintenance shop was inspected during this RCRA CEI. The only RCRA regulated wastes generated at this location were small quantities of

lubricating oils. These oils are collected and mixed with other oils in the #6 fuel tank. The two parts washers described above are located in the shop. However, they do not generate any hazardous wastes. No problems were observed in this area.

3. Plant Floor (Photograph 3)

During the inspection of the plant floor, I observed 7 drums of used oil and 1 drum of Navitone in a maintenance station in the plant basement. Facility representatives stated that the drums were being stored at that location until they could be pumped into the #6 fuel tank. No problems were observed in this area.

4. Thermal Resources (Photographs 4-6)

Thermal Resources (TR) has purchased the UEA facility and contracted Union Electric employees to operate the power plant. However, another portion of the facility is both owned and operated solely by Thermal Resources. The TR operated area is in a building separate from and adjacent to the power plant. The building houses TR employee offices and a small maintenance shop. Maintenance shop activities result in the generation of approximately 20 gallons per year of a spent mineral acid-based cleaning solution called Wedac. The Wedac material safety data sheet (MSDS) is provided as attachment 7. Although the safety data sheet does not provide sufficient information to make a determination of the waste's regulation, the spent material may be corrosive. The MSDS does provide that Wedac is metal reactive. TR has not analyzed the Wedac waste.

At the time of this inspection, I observed several containers of spent Wedac in a storage building near the maintenance shop. Photographs 4-6 depict the area in which the containers were stored and it appeared that the combined capacity of the containers was approximately 65 gallons. At the time of this inspection (contingent upon the spent Wedac being RCRA regulated), the facility would have been considered a regulated SQG, since the quantity of waste stored exceeded 100 kg. (Missouri Regulations). However as of August 1, 1987, the TR facility appears to be a conditionally exempt SQG since the waste generation rate is less than 100 kg/mo. and the quantity of waste stored does not exceed 1000 kg. It should be noted here that a complete RCRA CEI was not conducted at this location due to its independence from the facility for which the inspection request was made. However, TR representatives stated that the Wedac would be analyzed and, if necessary, disposed as a hazardous waste.

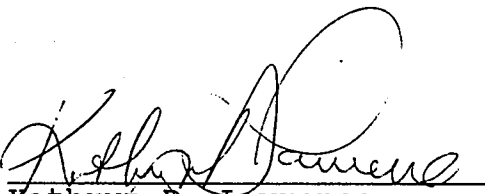
CONCLUSIONS AND RECOMMENDATIONS

D. Conclusions

The Union Electric Ashley facility is a RCRA regulated burner of off-specification used oils. The facility does not appear to generate any hazardous wastes other than used oil. At the time of this inspection, it appeared that UEA was in compliance with the RCRA regulations and Missouri environmental laws.

E. Recommendations

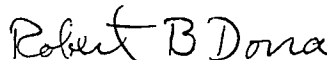
As discussed in report section A1, it appears that the possibility of PCB contamination of the UEA used oils may warrant further investigation.



Kathryn D. Lawrence

Date : 9/8/87

Activity Number : ALF22



Robert B. Dona

Date : 9-14-87

ATTACHMENTS

1. Document Receipt
2. CBI Form
3. Analyses
4. Tank Inspection Log Sheet
5. Manifests
6. Navitone Material Safety Data Sheet
7. Wedac Material Safety Data Sheet
8. Photographs

U.S. ENVIRONMENTAL PROTECTION AGENCY

Attachment 1

RECEIPT FOR SAMPLES AND DOCUMENTS

Inspector(s) Name and Address U.S. EPA, Region VII ENSV Division 25 Funston Road Kansas City, Kansas 66115		Firm Name and Address UNION ELECTRIC + ASHLEY ST. LOUIS, Mo.
		Name of Individual DON CRAWFORD
		Title PLANT MGR.
Date Collected	Samples were: () Purchased () Received no charge () Borrowed	
Sample Numbers		Amount paid for Samples
Duplicate Samples Requested () Yes () No		Method of Payment () Cash () Voucher () To be Billed

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Resource Conservation and Recovery Act.

Receipt for the document(s) and/or Sample(s) described below is hereby acknowledged:

WASTE OIL ANALYSES
~~OTHER~~ WASTE ANALYSES (Corrosives)
 MANIFESTS
 INSPECTION LOG
 BURN GUN SOLVENT ANALYSES
 WASTE INVENTORY

Signature (Owner, Operator, or Agent) Don W. Crawford		Title Plant Mgr.
Name of Inspector KATHRYN LAWRENCE	Title ENVIRONMENTAL ENGINEER	Inspector's Signature Kathryn Lawrence

U.S. ENVIRONMENTAL PROTECTION AGENCY
RCRA INSPECTION
CONFIDENTIALITY NOTICE

Attachment 2

Name and Address of Inspector(s) U.S. EPA, Region VII ENSV Division 25 Funston Road Kansas City, Kansas 66115	Name and Address of Facility UNION ELECTRIC 4 ASHLEY ST. LOUIS MO	
	Owner, Operator, or Agent in Charge DON CRAWFORD	
	Title PLANT MGR.	
	Address SAME	
Name of Individual to Whom Notice Given DON CRAWFORD	Title PLANT MGR	Date 7/22/87

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FDIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act, Section 3007, as amended. EPA is required to make inspection data available in response to FOIA requests, unless the Administrator of the Agency determines that the data contains information entitled to confidential treatment.

Any or all of the information collected by EPA during the inspection may be claimed confidential, if it relates to trade secrets or commercial of financial matters that you consider to be confidential. If you make claims of confidentiality, EPA will disclose the information only to the extent, and by the means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential information. Among other things, the regulations require that the EPA notify you in advance of publicly disclosing any information you have claimed and certified confidential.

To claim information confidential, you must certify that each claimed item meets all of the following criteria:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time you may make claims that some or all of the information is confidential and meets the four criteria listed above.

RCRA INSPECTION CONFIDENTIALITY NOTICE	Facility UNION ELECTRIC (ASHLEY)
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If you are not authorized by your company to make confidentiality claims, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials, to the Owner, Operator, or Agent in Charge of your firm, within two days of this date. That person must return a statement, specifying any information which should receive confidential treatment.

This statement from the Owner, Operator, or Agent in Charge should be addressed to:

Mr. David A. Wagoner
Director, Waste Management Division
United States Environmental Protection Agency
726 Minnesota Avenue
Kansas City, Kansas 66101

and mailed by registered, return-receipt requested mail with in seven (7) calendar days of receipt of this Notice.

Failure by your firm to submit a written request that information be treated as confidential, either at the completion of the inspection or by the Owner, Operator, or Agent in charge, within the seven-day period, will be treated by the EPA as a waiver by your company of any claims for confidentiality regarding the inspection data.

To be completed by the facility official receiving this Notice:

I have received and read this Notice.

Name _____

Title _____

Signature _____

Date _____

If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the Owner, Operator, or Agent in charge of the company. If there is another company official who should also receive this information, please designate below:

Name _____

Title _____

Address _____

U.S. ENVIRONMENTAL PROTECTION AGENCY
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

REQUEST FOR CONFIDENTIAL
TREATMENT

Name of Individual Don CRAWFORD	Title PLANT MGR	Date 7/22/87
Firm Name UNION ELECTRIC	Firm Address 4 ASHLEY ST. LOUIS, MO	

Information for which Confidential Treatment is requested:

None

Acknowledgement of Claimant

The undersigned requests that confidential treatment of the information described be provided in accordance with provisions of the Freedom of Information Act (FOIA), 5U.S.C.552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act (RCRA), Section 3007, as amended. The undersigned further acknowledges that he/she is authorized to make such claims for his/her firm.

The undersigned also certifies that each item described above meets all of the following criteria: (1) The company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures; (2) The information is not, and has not been, reasonably attainable without the company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding; (3) The information is not publicly available elsewhere; and (4) Disclosure of the information would cause substantial harm to the company's competitive position.

Signature (Owner, Operator, or Agent) <i>Don V Crawford</i>		Title <i>Plant Manager</i>
Name of Inspector <i>KATHRYN D LAWRENCE</i>	Title <i>ENVIRONMENTAL ENGINEER</i>	Inspector's Signature <i>Kathryn Lawrence</i>

HAZARDOUS WASTE RECEIVED
REPORT

Date Received 2-2-87

Date Inspected 2-6-87

Inspector's Name J. Murphy

Accompanying Manifest Document Number Brd. Garage Venice
A1371-0002, A1376-0003,
A1371-0013, A1380-0007

Description of Waste Material oil
Cumulative liquid NA 1993

Does the received waste material match the identity of the waste designated on the accompanying manifest? yes

Remarks or Observations:

3280 oil
125 water
3425 total

Signed S. Phifer

Job No. 1184
1/9/81

Please forward this form with accompanying manifest to the Engineering Office.

Pumped into Dog Bank, 2/9/87, AM.
JDM

Attachment 3

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
DESTINED SHIPMENTS

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2000 0404 Expires 7 31 86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 1000000		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address UNION ELECTRIC CO BROADWAY GARAGE 800 E BROADWAY ST. LOUIS IL 62201						A. Missouri Manifest Document Number A1370 100002							
4. Generator's Phone (618) 874 4250						B. State Generator's ID A1370							
5. Transporter 1 Company Name UNION ELECTRIC CO						C. MO. Transporter's ID H1027							
6. US EPA ID Number MD0096733605						D. Transporter's Phone 6213222							
7. Transporter 2 Company Name						E. MO. Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address ASHLEY PLANT ASHLEY WHARF ST. ST LOUIS MO. 63102						G. State Facility's ID H1027							
10. US EPA ID Number						H. Facility's Phone 6213222 EXT 87726							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. WASTE OIL COMBUSTIBLE LIQUID NCS. NA 1993						1 TT		200 GL				MO. 0001	
b.												Other	
c.												MO.	
d.												Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information IF SPILLED CONTAIN AND CLEAN UP													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.													
Printed/Typed Name WM. E. MEANS						Signature Wm. E. Means				Date Month Day Year 10/26/87			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name James A. Stace						Signature James A. Stace				Date Month Day Year 10/26/87			
18. Transporter 2 Acknowledgement or Receipt of Materials													
Printed/Typed Name						Signature				Date Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature				Date Month Day Year			

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE
DEPARTMENT OF NATURAL RESOURCES

FORM 4643
INSTRUCTIONS FOR THE
COMPLETION OF THIS FORM
ARE ON A SEPARATE SHEET.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-6802
CHEM TREC
1-800-424-9300

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 18-00003	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address VENICE POWER PLANT MAIN & MCKINLEY BRIDGE VENICE, ILL. 62090				A. Missouri Manifest Document Number A-137610003		
4. Generator's Phone (314) 621-3222				B. State Generator's ID - other 1111055001		
5. Transporter 1 Company Name UNION ELECTRIC CO.				6. US EPA ID Number MO-D-096733605		
7. Transporter 2 Company Name				8. US EPA ID Number		
9. Designated Facility Name and Site Address ASHLEY POWER PLANT 4 ASHLEY STREET ST. LOUIS, MO. 63102				10. US EPA ID Number		
				C. MO. Transporter's ID H1027		
				D. Transporter's Phone 621-3222		
				E. MO. Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID RR-020		
				H. Facility's Phone (314) 621-3222		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt./Vol.	I. Waste No.	
a. WASTE OIL - COMBUSTIBLE N.O.S. NA 1993		50.1 TT	200 G		MO. 00.1	
b.					Other	
c.					MO.	
d.					Other	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
a.						
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN AND CLEAN UP ILL. TRANSPORTOR #1118004 ILL. FACILITY #921890008						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.						
Printed/Typed Name R.O. WEBER				Signature R.O. Weber		Date Month Day Year 02-20-58-7
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name James A. Starr				Signature James A. Starr		Date Month Day Year 02-20-58-7
18. Transporter 2 Acknowledgement or Receipt of Materials						
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name				Signature		Date Month Day Year

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.
THIS DOCUMENT MUST BE USED
FOR ALL MISSOURI-DESTINED
SHIPMENTS

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8800
CHEM TREC
1-800-424-9340
DEPT. OF NATURAL RESOURCES
314-834-7428

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address UNION ELECTRIC CO. (MERAMEC PLT) 8200 FINE RD. ST LOUIS, MO. 63129		4. Generator's Phone (314) 554-3050		A. Missouri Manifest Document Number A 1380 00001		
5. Transporter 1 Company Name UNION ELECTRIC CO.		6. US EPA ID Number MO.D.09.673.3605		B. State Generator's ID - other		
7. Transporter 2 Company Name		8. US EPA ID Number		C. MO. Transporter's ID H-1027		
9. Designated Facility Name and Site Address ASHLEY POWER PLANT ASHLEY & WHARF STS ST LOUIS, MO. 63102		10. US EPA ID Number		D. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) COMBUSTIBLE LIQUID, NOS NA 1993		12. Containers TT 2,600 GL		E. MO. Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID RR-020		
				H. Facility's Phone 621-3222 EXT. 877-26		
				I. Waste No. MO. 002		
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN AND CLEAN UP.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and, have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name ELZA B. CHANEY		Signature <i>Elza B. Chaney</i>		Month Day Year 02 05 87		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES STARR		Signature <i>James Starr</i>		Month Day Year 02 05 87		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year						

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED DATE AND TIME.

INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.
THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEMTREC
1-800-424-9000
DEPT. OF NATURAL RESOURCES
314-634-2440

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404, Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law	
3. Generator's Name and Mailing Address		4. Generator's Phone		A. Missouri Manifest Document Number		
UNION ELECTRIC 1828 GRANT ST. LOUIS MO. 63103		(314) 554-2272		A13710013		
5. Transporter 1 Company Name		6. US EPA ID Number		B. State Generator's ID - other		
UNION ELECTRIC		MO096733605				
7. Transporter 2 Company Name		8. US EPA ID Number		C. MO Transporter's ID		
				H1027		
9. Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter's Phone		
ASHLEY PLANT ASHLEY E. WHARF ST. LOUIS MO. 63102				621-3222 ST 87726		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol	
COMBUSTIBLE LIQUID NOS. NA. 1993		001 TT		250 G		
15. Special Handling Instructions and Additional Information		16. Generator's Certification		17. Transporter 1 Acknowledgement of Receipt of Materials		
IF SPILLED, CONTAIN AND CLEAN UP.		I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.		Signature: YVONNE M. ERWIN Date: 02/05/87		
18. Transporter 2 Acknowledgement of Receipt of Materials		19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19		
Signature: James A. Stuck Date: 02/05/87				Signature: _____ Date: _____		

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY WHEN TRANSPORTED TO THE RECIPIENT BY THE GENERATOR

Job No. 430

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Composite Sample

Date 2-9-87

Sample No. or Identification: Transfer Requisition No. 7815

Description of Sample: Waste Oil From VENICE PLANT, 1828 GRATIOT ST., 500 E. BRADY
(Three samples from each tanker compartment) Pumped into the Day Tank at the MCA
Ashley Plant PLANT

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and
analysis.), BTU/Lb.

Remarks: (Include special conditions which may influence type of test)
Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div.	Major	Minor	Loc.	Budget	W.O.
61	512			80	

Requested by: P. R. Pike

Department: Environmental Services Dept.

Copies to:

- J. D. Murphy - Ashley Plant
- F. X. Blood - Lab. Services L
- J. K. Carpenter - Lab. Service
- G. E. Kerr - Lab. Services De
- C. A. Zale - Lab. Services De
- G. S. Kramer - Fossil Fuel De
- File 23-01-B-1
- File - Ashley Oil

Laboratory Data: BTU, 18,587 BTU/Lb

Flash Pt > 140°F

HALOGENS: 0.057 %

As: 42 ppm

Recommendations: Cd: 42

Cr: 42

Pb: 78

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 1700076703	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address H. H. H. Co. 1234 N. Main St. St. Louis, MO 63101				A. Missouri Hazardous Waste Manifest Number A 1700076703		
4. Generator's Phone (314) 555-1234				B. State of Missouri		
5. Transporter 1 Company Name H. H. H. Co.		6. US EPA ID Number 1700076703		C. MO Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's License No.		
9. Designated Facility Name and Site Address H. H. H. Co. 1234 N. Main St.		10. US EPA ID Number		E. MO Transporter's ID		
				F. Transporter's License No.		
				G. State Facility ID		
				H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. 1700076703				1	4.15	6
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information				16. Hazardous Waste Listed Above		
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials		
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
ESTIMATED SHIPMENTS.

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-6802
CHEM TREC
1-800-424-9300

HAZARDOUS WASTE MANIFEST

Use print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 400006733605	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Union Electric Company 12121 Dorsett Road, Maryland Heights, MO 63042			A. Missouri Manifest Document Number A-15775		B. State Generator's ID - Other A1375	
4. Generator's Phone ()			C. MO. Transporter's ID #1077		D. Transporter's Phone 620-342285172	
5. Transporter 1 Company Name Union Electric Company			6. US EPA ID Number 400006733605		E. MO. Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address Ashley Plant 4 Ashley Street St. Louis, MO 63107			10. US EPA ID Number		G. State Facility's ID 071921	
			H. Facility's Phone 636-322-8100			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste Oil, Combustible Liquid, N.O.S. NA1993			001TT	3500	g	
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information			If spilled, contain and clean up. Keep out of waterways.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.						
Printed/Typed Name E. V. RENAUD			Signature E. V. Renaud		Date 07/1/86	
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name J. Star		Signature J. Star	
			Signature		Date 07-21-86	
18. Transporter 2 Acknowledgement of Receipt of Materials			Printed/Typed Name		Signature	
			Signature		Date	
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name J. P. Jones			Signature J. P. Jones		Date 07/1/86	

Job No. 430

L.S. #86888

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

M9577
10/13/86

Date 7/18/86

Sample No. or Identification: TRANSFER REQUISITION NO. 5055

Description of Sample: WASTE OIL FROM 1828 GRATIOT ST. AND DORSETT
PUMPED INTO DAY TANK AT THE ASHLEY PLANT
WAREH

Analysis Desired: FLASHPOINT, TOTAL HALOGENS, ARSENIC, CADM
CHROMIUM, LEAD

Remarks: (Include special conditions which may influence type of test)

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.

61 512 80

Requested by: PAUL PIKE

Department: ENVIRONMENTAL SERVICE

Copies to: JAMES MURPHY ✓

GERRY KERR

FRANK BLOOD

KEN CARPENTER

Laboratory Data: % S — 0.14 FILE

BTU/lb — 18,118

FLASH PT 130°F

CALORINE % WT. = 1.510

Arsenic, ppm by wt 2 < 2

Cadmium, " 2 2

Chromium, " 2 11

Lead, " 2 340

08

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3241

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8502
CHEM TREC
1-800-424-8300
DEPT. OF NATURAL RESOURCES
314-634-2436

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.

THIS DOCUMENT MUST BE USED
FOR ALL MISSOURI-DESTINED
SHIPMENTS.

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address LAWSON ELECTRIC CO. 1011 W. 11TH ST. JEFFERSON CITY, MO 65102		6. US EPA ID Number MO1091613216		A. Missouri Manifest Document Number 41113715		
4. Generator's Phone ()		7. Transporter 1 Company Name LAWSON ELECTRIC		B. State Generator's ID - other		
5. Transporter 1 Company Name		8. US EPA ID Number		C. MO. Transporter's ID H-1027		
7. Transporter 2 Company Name LAWSON ELECTRIC		9. Designated Facility Name and Site Address LAWSON ELECTRIC CO. ACTING FACILITY 1011 W. 11TH ST. JEFFERSON CITY, MO 65102		D. Transporter's Phone (216) 822-8720		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. MO. Transporter's ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		F. Transporter's Phone		
		13. Total Quantity		G. State Facility's ID K8029		
		14. Unit W/Vol.		H. Facility's Phone (216) 822-877-24		
				I. Waste No.		
a.				MO.		
b.				Other		
c.				MO.		
d.				Other		
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
a.						
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information No special handling instructions.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name		Signature		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Date		
				Month Day Year		

TSDF FINAL COPY - PART 4

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY.

Sub No. 430

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date 1-7-87

Sample No. or Identification: Transfer Requisition No. 6803

Description of Sample: TRANSFORMER Oil From FAIRVIEW HEIGHTS SUBSTATION
(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

Remarks: (Include special conditions which may influence type of test)
Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget V.O.
61 512 80

Requested by: P. Pike

Department: Environmental Services

Copies to: J. Murphy - Ashley
F. X. Blood
J. K. Carpenter
G. E. Kerr
C. A. Zale
File 23-01-B-1
File - Ashley Oil

Laboratory Data: FLASH POINT 136°F

1-8-87
TOTAL HALOGENS 4.003%

PCB: 7 ppm MIXED PCBs

As: 42 ppm

Recommendations: Cd 42 "

Cr 42 "

Pb 45 "

BTU/lb: 19,439

(12)

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
ESTINED SHIPMENTS.

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D 0 0 0 6 8 7 3 9 2		Manifest Document No. 0 0 0 0 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Union Electric Company Operations Storeroom P.O. Box 620 Fulton, MO 65251 4. Generator's Phone (314) 676-8668						A. Missouri Manifest Document Number A 3 5 1 8 0 0 0 1							
5. Transporter 1 Company Name Union Electric Company						B. State Generator's ID - other A3518							
6. US EPA ID Number M O D 0 9 6 7 3 3 6 0 5						C. MO. Transporter's ID H1027							
7. Transporter 2 Company Name						D. Transporter's Phone 621-3222							
8. US EPA ID Number						E. MO. Transporter's ID							
9. Designated Facility Name and Site Address Ashley Plant Ashley & Wharf Sta. St. Louis, MO 63102						F. Transporter's Phone							
10. US EPA ID Number						G. State Facility's ID 28020							
						H. Facility's Phone (314) 241-0408							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. Waste Oil, Flammable Liquid, NOS UN1993						3 0 1 T T		6 0 0 0		GAL		MO. 0 0 0 1	
b.												Other	
c.												MO.	
d.												Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information If spilled, contain and clean up.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.													
Printed/Typed Name Gregory D. Sellmeyer						Signature Gregory D. Sellmeyer				Date Month Day Year 12/9/83			
17. Transporter 1 Acknowledgement of Receipt of Materials										Date			
Printed/Typed Name James A. Starr						Signature James A. Starr				Date Month Day Year 12/9/83			
18. Transporter 2 Acknowledgement of Receipt of Materials										Date			
Printed/Typed Name Don New						Signature Don New				Date Month Day Year 10/1/84			
19. Discrepancy Indication Space													
20. Facility Owner, or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JOSEPH OVIES						Signature Joseph L. Ovies				Date Month Day Year 10/7/84			

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY

Job No. 430

LS#
861094

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date: 9-5-86

Sample No. or Identification: Transfer Requisition No. 5069

Description of Sample: Waste Oil From CALLAWAY PLANT

(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)

(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

COMPOSITE sample

Remarks: (Include special conditions which may influence type of test)

Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.

61 512 80

Requested by: P. Pike

Department: Environmental Services

Copies to: J. Murphy - Ashley

F. X. Blood

J. K. Carpenter

G. E. Kerr

C. A. Zale

File 23-01-B-1

File - Ashley Oil

Laboratory Data: Flash point > 120°F

Total Halogens - 0.17%

Arsenic, 2 by wt - < 2

Cadmium, " - < 2

Recommendations: Chromium, " - 3

Lead, " - 1070

BTU/lb - 17,330

cel

**Division of Environmental Quality
Waste Management Program**

P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-8300

THIS DOCUMENT MUST BE
USED FOR MISSOURI-
DESTINED SHIPMENTS

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2002-0404 Expires 7-31-86

[illegible]

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HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Farm Approved OMB No 2000-0804 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 0 4 2 0 4		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address VENICE POWER PLANT MAIN & MCKINLEY BRIDGE VENICE, ILL. 62090				A. Manifest Document Number A 1 5 7 5 0 0 0				B. State Department ID 1111051001	
4. Generator's Phone (314) 621-3222				6. US EPA ID Number MO0096752605				C. MO. Transporter's ID 1111051001	
5. Transporter 1 Company Name UNION ELECTRIC CO.				8. US EPA ID Number				D. Transporter's Phone	
7. Transporter 2 Company Name				10. US EPA ID Number				E. MO. Transporter's ID	
9. Designated Facility Name and Site Address DORSETT WAREHOUSE 13121 DORSETT RD MARIETTA, GEORGIA 30067				12. Containers				13. Total Quantity 600 G	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE OIL FLAMMABLE LIQUID UN1193				14. Unit G				15. Waste No. MO 0000000000	
16. Additional Descriptions for Materials Listed Above				17. Handling Codes for Waste Listed Above				18. Date Month Day Year	
19. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN & CLEAN UP				20. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.				21. Date Month Day Year	
22. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature				23. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature				24. Date Month Day Year	
25. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				26. Date Month Day Year				27. Date Month Day Year	

TSDF FINAL COPY - PART 4

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY.

Job No. 430

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date 12-23-86

Sample No. or Identification: Transfer Requisition No. 5097

Description of Sample: Waste Oil From DORSETT WAREHOUSE AND VEHICLE PLANT
(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

Remarks: (Include special conditions which may influence type of test)

Metals analyses to be sent out to Industrial Testing Lab. (Rec'd 2/2/87)

CHARGE ACCOUNT:

Requested by: P. Pike

Div. Major Minor Loc. Budget W.O.

Department: Environmental Services

61 512 80

Copies to: J. Murphy - Ashley

F. X. Blood

J. K. Carpenter

G. E. Kerr

C. A. Zale

File 23-01-B-1

File - Ashley Oil

Laboratory Data: FLASH PT. : >140°F

TOTAL HALOGENS: 1.64 %

Cd: < 2 ppm

Cr: 712 ppm

Recommendations: Pb: 168 ppm

As: < 2 ppm

1161

Day Tank
Weekly Inspection

Inspection Date 6/13/87 Time 4:00 P.M.
Inspector's Name J. HALEY

A. Visually check the following for any sign of leakage:

1. Tank Structure ✓
2. Drain Valve ✓
3. Suction Heater ✓
4. Fill Piping ✓

B. Visually check the following for any sign of deterioration or need of repair:

1. Earth Containment Dike ✓
2. Concrete Wall ✓
3. Fence ✓

Note below any repairs needed. If none are needed state so. If a repair or remedial action has been taken, state nature of action and the date.

all E.K.

Signed J. Haley

Forward this report to the Engineering Office when complete.

HAZARDOUS WASTE RECEIVED
REPORT

Date Received 1/14/86

Date Inspected 1/14/86

Inspector's Name J. Orin

Accompanying Manifest Document Number 0001

Description of Waste Material Waste oil flammable
liquid NOS UN 1993

Does the received waste material match the identity of the waste designated on the accompanying manifest? yes

Remarks or Observations:

Oil Picked up at Airport Sub
2,000 gal

No Water

Signed J. Orin

Job No. 1184
1/9/81

Please forward this form with accompanying manifest to the Engineering Office.

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
ESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Print or type (Form designed for use on elite (12 pitch) typewriter)

Form Approved OMB No. 2000-0434 Expires 7-31-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No	Manifest Document No	2. Page of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <i>UNION PACIFIC</i>				A. Missouri Manifest Document Number		
4. Generator's Phone (314) 221-1234				B. State Generator's ID - other		
5. Transporter 1 Company Name		6. US EPA ID Number		C. MO Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. MO Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit MA/Vol
a. Waste of flammable liquids						MO
1.05 14 1993						Other
b.						MO
						Other
c.						MO
						Other
d.						MO
						Other
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
a.						
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information <i>Do not open container and clean</i>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.						
Printed/Typed Name <i>PTT Corp</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>
17. Transporter 1 Acknowledgment of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>
18. Transporter 2 Acknowledgment of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>
19. Discrepancy Indication Space						
20. Facility Owner or Operator Acknowledgment of Receipt of Materials by this manifest except as noted in:						
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>1 14 96</i>

FORM 4643
INSTRUCTIONS FOR THE
COMPLETION OF THIS FORM
ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8602
CHEM TREC
1-800-424-9300

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI--
DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M.O.D.O.S.C. 7.3.3.6		Manifest Document No.	2. Page of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Union Electric Company 12121 Dorsett Rd., Maryland Heights, MO 63042					A. Missouri Manifest Document Number A-1-5-10-10-10		
4. Generator's Phone ()					B. State Generator's ID - other 13375		
5. Transporter 1 Company Name Union Electric Company			6. US EPA ID Number M.O.D.O.S.C. 7.3.3.6		C. MO. Transporter's ID 11-11-17		
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address Adler Plant 4 Adler St. St. Louis, MO 63107					E. MO. Transporter's ID		
					F. Transporter's Phone		
10. US EPA ID Number					G. State Facility's ID		
					H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Cast #11, Combustible Liquid, 11993							I. Waste No MO.
b.							Other
c.							MO.
d.							Other
1. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above		
a.							
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.							
Printed/Typed Name				Signature		Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Date Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

GENERATOR FINAL COPY -- PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSD.

Job No. 430

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Composite Sample

Date 2-20-87

Sample No. or Identification: Transfer Requisition No. 6811

Description of Sample: Waste Oil From DORSETT WAREHOUSE

(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb

(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.), BTU/Lb.

Remarks: (Include special conditions which may influence type of test)

Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div.	Major	Minor	Loc.	Budget	W.O.
61	512			80	

Requested by: P. R. Pike

Department: Environmental Services Dept.

Copies to: J. D. Murphy - Ashley Plant
F. X. Blood - Lab. Services
J. K. Carpenter - Lab. Services
G. E. Kerr - Lab. Services
C. A. Zale - Lab. Services
G. S. Kramer - Fossil Fuel
File 23-01-B-1
File - Ashley Oil

Laboratory Data:

Flash pt - 130°F

HALOGENS 2.0%

BTU/Lb: 16,458 BTU/Lb

Recommendations: As 22 ppm

Cd 22 "

Cr 16 "

Pb 162 "

(P.R.)

HAZARDOUS WASTE MANIFEST

U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2000 0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No		2 Page of		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address						A. Missouri Manifest Document Number									
4. Generator's Phone ()						B. State Generator's ID - other									
5. Transporter 1 Company Name				6. US EPA ID Number		C. MO. Transporter's ID									
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone									
9. Designated Facility Name and Site Address						E. MO. Transporter's ID									
						F. Transporter's Phone									
10. US EPA ID Number						G. State Facility's ID									
						H. Facility's Phone									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Mt/Vol		I. Waste No.			
												MO.			
												Other			
												MO.			
												Other			
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				MO.					
										Other					
										MO.					
										Other					
15. Special Handling Instructions and Additional Information															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.															
Printed/Typed Name						Signature						Date Month Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement or Receipt of Materials						Printed/Typed Name						Signature		Date Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name						Signature						Date Month Day Year			

U.S. DEPARTMENT OF LABOR
WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME PENETONE CORPORATION		EMERGENCY TELEPHONE NO. (201) 567-3000
ADDRESS (Number, Street, City, State, and ZIP Code) 74 Hudson Avenue, Tenafly, NJ 07670		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS NAVITONE
CHEMICAL FAMILY Solvent emulsion degreaser	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Aromatic petroleum hydro-	40	200	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES carbon			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
As per letter 1-28-82 compound is 42% aromatic HC					
E 21% of total vapors and 9% of total					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°F	SPECIFIC GRAVITY (H ₂ O=1) @ 20°C	.998
VAPOR PRESSURE (mm Hg.)	2	PERCENT VOLATILE BY VOLUME (%) @ 105°C	75%
VAPOR DENSITY (AIR=1)	5	EVAPORATION RATE (DUTY=1)	0.04
SOLUBILITY IN WATER	Emulsifiable	acetate	
APPEARANCE AND ODOR	Light green liquid with an aromatic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) (C.O.C.) None to boiling	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA CO ₂ , dry powder			
SPECIAL FIRE FIGHTING PROCEDURES Use air-supplied rescue equipment for enclosed areas. Vapor harmful. Stay upwind. Cool exposed containers with water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Not applicable.			

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME West Chemical Products, Inc.		EMERGENCY TELEPHONE NO. 213-263-4108
ADDRESS (Number, Street, City, State, and ZIP Code) 4425 Landini Blvd., Los Angeles, CA 90023		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS WEDAC (1824)
CHEMICAL FAMILY N/A	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS COATING OR CORE FLUX	N/A	
ADDITIVES	N/A		OTHERS	N/A	
OTHERS	N/A			N/A	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
(PHOSPHORIC)				75	1 mg/
Mineral Acid					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	215	SPECIFIC GRAVITY (H ₂ O=1)	1.40
VAPOR PRESSURE (mm Hg.)	U.K.	PERCENT VOLATILE BY VOLUME (%)	41
VAPOR DENSITY (AIR=1)	U.K.	EVAPORATION RATE (WATER = 1)	Greater than 1
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR	Clear amber liquid, pleasant aroma		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) N.F.T.S.	C.O.C.	FLAMMABLE LIMITS None	Lel U.K.	Uel U.K.
EXTINGUISHING MEDIA N/A				
SPECIAL FIRE FIGHTING PROCEDURES None				
UNUSUAL FIRE AND EXPLOSION HAZARDS Material is non-flammable, however, in contact with active metals can liberate hydrogen				

STOCK 2 V-88



APR 1964
1 800 220 4154

Union Electric Ashley
July 22 1987
Kathryn Lawrence

#6 Fuel oil tank



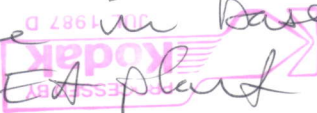
Union Electric Ashley
July 22 1987
Kathryn Lawrence

#6 Fuel oil tank



Union Electric Ashley
July 22 1987
Kathryn Lawrence

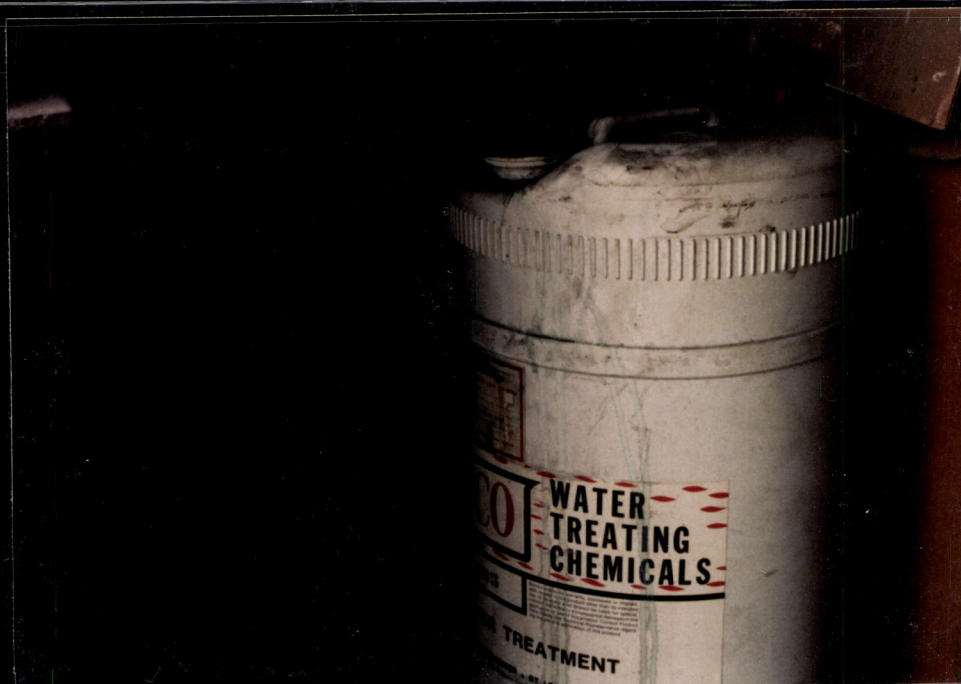
Drums of waste oil/
now here in basement
of UEA plant



SHOCK & V 88



SHOCK & V 88



Union Electric Ashley 4
July 22 1987
Kathryn D Lawrence

Waste Weeder



Union Electric Ashley 5
July 22 1987
Kathryn D Lawrence

Waste Weeder



Union Electric Ashley 6
July 22 1987
Kathryn D Lawrence

Waste Weeder



REPORT OF RCRA COMPLIANCE INSPECTION

AT

UNION ELECTRIC CO. / ASHLEY FACILITY

ST. LOUIS, MISSOURI

EPA I.D. NUMBER: MOD000805499

ON

JULY 21-22, 1987

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VII
Environmental Services Division

INTRODUCTION

At the request of the Waste Management Division (WSTM), a compliance evaluation inspection (CEI) was performed at Union Electric Company's Ashley Facility in St. Louis, Missouri on July 21-22, 1987. The inspection was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. This report and its attachments present the results of the inspection.

PARTICIPANTS

Union Electric Ashley Facility (UEA) :
Don Crawford, Plant Manager
Paul Pike, Environmental Specialist

U.S. Environmental Protection Agency (EPA) :
Kathryn Lawrence, Environmental Engineer

INSPECTION PROCEDURES

Upon arrival at the facility, I met with Paul Pike who introduced me to the plant manager, Don Crawford. Mr. Crawford escorted us to his office. At that time, I presented my EPA credentials and explained the purpose of the inspection and the procedures that I would follow. The inspection consisted of a discussion of UEA's hazardous waste management activities, a record review, and a visual inspection. At the end of the visual inspection, I conducted an out-briefing. I discussed my findings and observations with the representatives and Mr. Crawford signed a

document receipt and Confidential Business Information (CBI) form which claimed that none of the information gathered during the CBI needed to be handled as CBI. These documents are provided in attachments 1 and 2, respectively. No NOV was issued at the end of this inspection.

FACILITY DESCRIPTION

The Union Electric Ashley Facility is located at 4 Ashley Rd. in St. Louis, Mo. The facility is a power plant which generates electricity for the St. Louis metropolitan area. The plant uses number six fuel oil to feed the plant boilers which in turn generate turbine steam for the generation of electricity. UEA submitted a notification of Hazardous waste activity on 1/31/87 which listed the facility as a burner of hazardous waste fuel and off-specification oil. This notification also provided that UEA would burn these fuels in a Utility Boiler. The facility also received a resource recovery permit from MDNR on September 24, 1986. The Permit does not specify burn parameters.

FINDINGS AND OBSERVATIONS

UEA only accepts and burns off-specification fuel oil from other Union Electric divisions. Hazardous waste fuel was not being accepted or burned at the time of this inspection. With the exception of one of the Union Electric divisions, the Union Electric Dorsett facility, all are reportedly conditionally exempt small quantity generators. The Dorsett facility falls into small quantity generator status four times annually when it generates and ships quantities of Safety Kleen solvents. However, all waste fuels received by UEA are defined as off-specification used oil.

A. Waste Streams

1. Off-specification Used Oil

UEA receives approximately 10,000 gallons of used oil per month from other Union Electric divisions. According to facility representatives, the waste oil that UEA receives is only non-PCB oil. It is received on a bi-weekly basis and is mixed with number six fuel oil in a 250,000 gallon tank before being burned in the facility boilers. UEA performs analyses on all received oil, which is transported in a four compartment tanker. Three samples are taken at varied depths in each compartment, composited, and analyzed. A number of these analyses are provided in attachment 3. It should be noted here that the majority of the analyses provide that the halogen content of the oils received is above 1000 ppm. Pursuant to 40 CFR 266.40(c), used oils containing greater than 1000 ppm halogens are assumed to have been mixed with hazardous wastes unless the facility can prove otherwise. UEA representatives provided that the high halogen content was due to the detergents that are present in many of the oils before use. Although this appears to be a viable explanation, another possibility may be the introduction of PCB contaminated oils into the used oil transported to UEA. Since UEA does

not perform PCB analyses on the used oil, sufficient information was not available to make an accurate determination of the used oil's PCB content. However, the possibility of PCB contamination may warrant further investigation.

The used oils generated by UEA are also mixed with clean fuel oil in the #6 fuel oil tank to be burned in the facility boilers. The burn rate for the mixed oil is reportedly 125,000 gallons per week.

2. Waste Solvent

The only solvent used in UEA maintenance activities is mineral spirit based Navitone. It solvent is used in two parts washers in the maintenance shop and is also used to clean burning guns. According to the attachment 4 material safety data sheet, Navitone has a boiling point of 212F and a flash point above 212F. It is not a hazardous waste when spent. Approximately 300 gallons of waste navitone are generated per annum and are mixed with used oil for burning in the facility boilers.

B. Records

1. Inspection Record

UEA personnel inspect the number 6 fuel tank on a weekly basis. An example of the facility's logsheet is provided in attachment 5.

2. Manifests

Manifests are reportedly used for all shipments of waste oil. A number of examples are provided in attachment 6.

3. Analyses

As discussed above, UEA performs analyses on each batch of used oil that is received. A number of analyses are provided in attachment 3.

4. Notifications

UEA has not received marketer notification form the Union Electric divisions that ship off-specification oil to the facility. In addition, UEA has not provided off-specification used oil burner notification to those division. Facility representatives stated that they did not believe the notification to be necessary since both burner and marketer were essentially part of the same company.

C. Visual Inspection

1. Fuel Tank (Photographs 1-2)

Photographs 1-2 depict UEA's #6 fuel tank. Oil stains were observed on the surrounding soils. However, the stains appeared to be due to de minimus losses from line drippings. No problems were observed in this area.

2. Maintenance Shop

The maintenance shop was inspected during this RCRA CEI. The only RCRA regulated wastes generated at this location were small quantities of

lubricating oils. These oils are collected and mixed with other oils in the #6 fuel tank. The two parts washers described above are located in the shop. However, they do not generate any hazardous wastes. No problems were observed in this area.

3. Plant Floor (Photograph 3)

During the inspection of the plant floor, I observed 7 drums of used oil and 1 drum of Navitone in a maintenance station in the plant basement. Facility representatives stated that the drums were being stored at that location until they could be pumped into the #6 fuel tank. No problems were observed in this area.

4. Thermal Resources (Photographs 4-6)

Thermal Resources (TR) has purchased the UEA facility and contracted Union Electric employees to operate the power plant. However, another portion of the facility is both owned and operated solely by Thermal Resources. The TR operated area is in a building separate from and adjacent to the power plant. The building houses TR employee offices and a small maintenance shop. Maintenance shop activities result in the generation of approximately 20 gallons per year of a spent mineral acid-based cleaning solution called Wedac. The Wedac material safety data sheet (MSDS) is provided as attachment 7. Although the safety data sheet does not provide sufficient information to make a determination of the waste's regulation, the spent material may be corrosive. The MSDS does provide that Wedac is metal reactive. TR has not analyzed the Wedac waste.

At the time of this inspection, I observed several containers of spent Wedac in a storage building near the maintenance shop. Photographs 4-6 depict the area in which the containers were stored and it appeared that the combined capacity of the containers was approximately 65 gallons. At the time of this inspection (contingent upon the spent Wedac being RCRA regulated), the facility would have been considered a regulated SQG, since the quantity of waste stored exceeded 100 kg. (Missouri Regulations). However as of August 1, 1987, the TR facility appears to be a conditionally exempt SQG since the waste generation rate is less than 100 kg/mo. and the quantity of waste stored does not exceed 1000 kg. It should be noted here that a complete RCRA CEI was not conducted at this location due to its independence from the facility for which the inspection request was made. However, TR representatives stated that the Wedac would be analyzed and, if necessary, disposed as a hazardous waste.

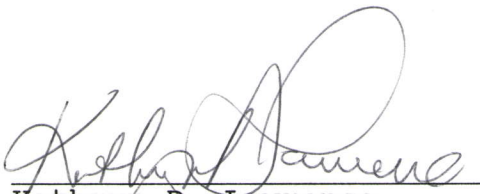
CONCLUSIONS AND RECOMMENDATIONS

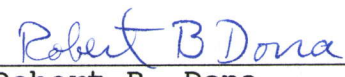
D. Conclusions

The Union Electric Ashley facility is a RCRA regulated burner of off-specification used oils. The facility does not appear to generate any hazardous wastes other than used oil. At the time of this inspection, it appeared that UEA was in compliance with the RCRA regulations and Missouri environmental laws.

E. Recommendations

As discussed in report section A1, it appears that the possibility of PCB contamination of the UEA used oils may warrant further investigation.


Kathryn D. Lawrence
Date : 9/8/87
Activity Number : ALF22


Robert B. Dona
Date : 9-14-87

ATTACHMENTS

1. Document Receipt
2. CBI Form
3. Analyses
4. Tank Inspection Log Sheet
5. Manifests
6. Navitone Material Safety Data Sheet
7. Wedac Material Safety Data Sheet
8. Photographs

U.S. ENVIRONMENTAL PROTECTION AGENCY

Attachment 1

RECEIPT FOR SAMPLES AND DOCUMENTS

Inspector(s) Name and Address U.S. EPA, Region VII ENSV Division 25 Funston Road Kansas City, Kansas 66115		Firm Name and Address UNION ELECTRIC + ASHLEY ST. LOUIS, MO
		Name of Individual DON CRAWFORD
		Title PLANT MGR.
Date Collected	Samples were: () Purchased () Received no charge () Borrowed	
Sample Numbers		Amount paid for Samples
Duplicate Samples Requested () Yes () No		Method of Payment () Cash () Voucher () To be Billed

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Resource Conservation and Recovery Act.

Receipt for the document(s) and/or Sample(s) described below is hereby acknowledged:

~~GENERAL~~ WASTE OIL ANALYSES
WASTE ANALYSES (Corrosives)
MANIFESTS
INSPECTION LOG
BURN GUN SOLVENT ANALYSES
WASTE INVENTORY

Signature (Owner, Operator, or Agent) Don W Crawford		Title Plant Mgr.
Name of Inspector KATHRYN D LAWRENCE	Title ENVIRONMENTAL ENGINEER	Inspector's Signature Kathy Lawrence

U.S. ENVIRONMENTAL PROTECTION AGENCY
RCRA INSPECTION
CONFIDENTIALITY NOTICE

Attachment 2

Name and Address of Inspector(s) U.S. EPA, Region VII ENSV Division 25 Funston Road Kansas City, Kansas 66115	Name and Address of Facility UNION ELECTRIC 4 ASHLEY ST. LOUIS MO	
	Owner, Operator, or Agent in Charge DON CRAWFORD	
	Title PLANT MGR.	
	Address SAME	
Name of Individual to Whom Notice Given DON CRAWFORD	Title PLANT MGR	Date 7/22/87

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FDIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act, Section 3007, as amended. EPA is required to make inspection data available in response to FOIA requests, unless the Administrator of the Agency determines that the data contains information entitled to confidential treatment.

Any or all of the information collected by EPA during the inspection may be claimed confidential, if it relates to trade secrets or commercial of financial matters that you consider to be confidential. If you make claims of confidentiality, EPA will disclose the information only to the extent, and by the means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential information. Among other things, the regulations require that the EPA notify you in advance of publicly disclosing any information you have claimed and certified confidential.

To claim information confidential, you must certify that each claimed item meets all of the following criteria:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time you may make claims that some or all of the information is confidential and meets the four criteria listed above.

RCRA INSPECTION CONFIDENTIALITY NOTICE	Facility UNION ELECTRIC (ASHLEY)
--	-------------------------------------

If you are not authorized by your company to make confidentiality claims, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials, to the Owner, Operator, or Agent in Charge of your firm, within two days of this date. That person must return a statement, specifying any information which should receive confidential treatment.

This statement from the Owner, Operator, or Agent in Charge should be addressed to:

Mr. David A. Wagoner
Director, Waste Management Division
United States Environmental Protection Agency
726 Minnesota Avenue
Kansas City, Kansas 66101

and mailed by registered, return-receipt requested mail with in seven (7) calendar days of receipt of this Notice.

Failure by your firm to submit a written request that information be treated as confidential, either at the completion of the inspection or by the Owner, Operator, or Agent in charge, within the seven-day period, will be treated by the EPA as a waiver by your company of any claims for confidentiality regarding the inspection data.

To be completed by the facility official receiving this Notice:

I have received and read this Notice.

Name _____

Title _____

Signature _____

Date _____

If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the Owner, Operator, or Agent in charge of the company. If there is another company official who should also receive this information, please designate below:

Name _____

Title _____

Address _____

U.S. ENVIRONMENTAL PROTECTION AGENCY
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

REQUEST FOR CONFIDENTIAL
TREATMENT

Name of Individual Don CRAWFORD	Title PLANT MGR	Date 7/22/87
Firm Name UNION ELECTRIC	Firm Address 4 ASHLEY ST. LOUIS, MO	

Information for which Confidential Treatment is requested:

None

Acknowledgement of Claimant

The undersigned requests that confidential treatment of the information described be provided in accordance with provisions of the Freedom of Information Act (FOIA), 5U.S.C.552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act (RCRA), Section 3007, as amended. The undersigned further acknowledges that he/she is authorized to make such claims for his/her firm.

The undersigned also certifies that each item described above meets all of the following criteria: (1) The company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures; (2) The information is not, and has not been, reasonably attainable without the company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding; (3) The information is not publicly available elsewhere; and (4) Disclosure of the information would cause substantial harm to the company's competitive position.

Signature (Owner, Operator, or Agent) <i>Don V Crawford</i>		Title <i>Plant Manager</i>
Name of Inspector KATHRYN D LAWRENCE	Title ENVIRONMENTAL ENGINEER	Inspector's Signature <i>Kathryn Lawrence</i>

HAZARDOUS WASTE RECEIVED
REPORT

Date Received 2-5-87Date Inspected 2-6-87Inspector's Name J. MurphyAccompanying Manifest Document Number Brd. Garage Venice
A1370-0002, A1376-0003,
A1371-0013, A1380-0001Description of Waste Material scrap oilCombustible liquid NA 1993Does the received waste material match the identity of the waste designated on the accompanying manifest? yes

Remarks or Observations:

3280 oil
125 water

3405 gal oil

Signed S. PhiferJob No. 1184
1/9/81

Please forward this form with accompanying manifest to the Engineering Office.

Pumped into Day Tank, 2/9/87, AM.

JDM

10

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 100002		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address UNION ELECTRIC CO BROADWAY GARAGE 500 E BROADWAY E. ST. LOUIS IL. 62201						A. Missouri Manifest Document Number A1370 10002							
4. Generator's Phone (618) 874 4250						B. State Generator's ID A1370							
5. Transporter 1 Company Name UNION ELECTRIC CO						C. MO. Transporter's ID H1027							
6. US EPA ID Number MO0096733605						D. Transporter's Phone 6213222							
7. Transporter 2 Company Name						E. MO. Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address ASHLEY PLANT ASHLEY WHARF ST. ST LOUIS MO. 63102						G. State Facility's ID RR020							
10. US EPA ID Number						H. Facility's Phone 6213222 EXT 87726							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. WASTE OIL COMBUSTIBLE LIQUID N.O.S. NA 1993						1		2006L				MO. 001	
b.												Other	
c.												MO.	
d.												Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information IF SPILLED CONTAIN AND CLEAN UP													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.													
Printed/Typed Name WM. E. MEANS										Signature Wm. E. Means		Date Month Day Year 026587	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name James A. Starr										Signature James A. Starr		Date Month Day Year 0210587	
18. Transporter 2 Acknowledgement or Receipt of Materials													
Printed/Typed Name										Signature		Date Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name										Signature		Date Month Day Year	

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE
DESIGNATED DATE

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300

THIS DOCUMENT MUST BE
USED FOR ALL MISSOURI-
DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 18-00003	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address VENICE POWER PLANT MAIN & MCKINLEY BRIDGE VENICE, ILL. 62090				A. Missouri Manifest Document Number A-13760003		
4. Generator's Phone (314) 621-3222				B. State Generator's ID - other 1111055001		
5. Transporter 1 Company Name UNION ELECTRIC CO.		6. US EPA ID Number MO.D.09.6733605		C. MO. Transporter's ID H1027		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 621-3222		
9. Designated Facility Name and Site Address ASHLEY POWER PLANT 4 ASHLEY STREET ST. LOUIS, MO. 63102		10. US EPA ID Number		E. MO. Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID RR-020		
				H. Facility's Phone (314) 621-3222		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. WASTE OIL - COMBUSTIBLE N.O.S. NA 1993				501 TT	200G	MO. 00.1
b.						Other
c.						MO.
d.						Other
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
a.						
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN AND CLEAN UP ILL. TRANSPORTOR #1118004 ILL. FACILITY #921890008						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.						
Printed/Typed Name R.O. WEBER				Signature R.O. Weber		Date Month Day Year 8-24-98
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James A. Starr		Date Month Day Year 8-24-98
18. Transporter 2 Acknowledgement or Receipt of Materials				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name				Signature		Date Month Day Year

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE
REGULATED PARTY WITHIN 90 DAYS OF THE DATE OF
ISSUANCE OF THIS MANIFEST.

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.

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FOR ALL MISSOURI-DESTINED
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3241

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8002
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOURCES
314-834-2438

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address UNION ELECTRIC CO. (MERAMEC PLT) 8200 FINE RD. ST. LOUIS, MO. 63129		6. US EPA ID Number MO.D.09.673.3605		A. Missouri Manifest Document Number A138000001		
4. Generator's Phone (314) 554-3050		7. Transporter 1 Company Name UNION ELECTRIC CO.		B. State Generator's ID - other		
5. Transporter 1 Company Name UNION ELECTRIC CO.		8. US EPA ID Number		C. MO. Transporter's ID H-1027		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address ASHLEY POWER PLANT ASHLEY & WHARF STS ST. LOUIS, MO. 63102		10. US EPA ID Number		E. MO. Transporter's ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		F. Transporter's Phone		
a. COMBUSTIBLE LIQUID, NOS NA 1993		13. Total Quantity TT 2600 GL		G. State Facility's ID RR 020		
b.		14. Unit Wt/Vol		H. Facility's Phone 621-3252 EXT 877-26		
c.		15. Waste No.				
d.		16. Waste No.				
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Waste Listed Above				
a.		b.				
c.		d.				
15. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN AND CLEAN UP.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name ELZA B. CHANEY		Signature <i>Elza B. Chaney</i>		Month Day Year 02/05/87		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name JAMES STARR		Signature <i>James Starr</i>		Month Day Year 02/05/87		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month Day Year		

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.
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FOR ALL MISSOURI-DESTINED
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
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1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOURCES
314-634-2436

HAZARDOUS WASTE MANIFEST

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Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		Union Electric 1825 GRANT St. Louis Mo. 63103		A. Missouri Manifest Document Number A13710013		
4. Generator's Phone		(314) 554-2272		B. State Generator's ID - other		
5. Transporter 1 Company Name		Union Electric		C. MO. Transporter's ID H1027		
7. Transporter 2 Company Name				D. Transporter's Phone 621-3222 ST 87726		
9. Designated Facility Name and Site Address		Ashley Plant Ashley & Wharf St. Louis Mo. 63102		E. MO. Transporter's ID		
10. US EPA ID Number				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		COMBUSTIBLE LIQUID NOS. NA. 1993		G. State Facility's ID RR 020		
12. Containers		001 TT		H. Facility's Phone 621-3222 ST 87726		
13. Total Quantity		250 G		I. Waste No.		
14. Unit Wt/Vol.				MO. 001		
15. Special Handling Instructions and Additional Information		IF SPILLED, CONTAIN AND CLEAN UP.		Other		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.				Other		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name YVONNE M. ERWIN		Signature Yvonne M. Erwin		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name James A. Starr		Signature James A. Starr		
19. Discrepancy Indication Space				Date 02/05/87		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name		Signature		

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

L.S. # 87201

(One Sheet per Group of Analyses)

Composite Sample

Date 2-9-87

Sample No. or Identification: Transfer Requisition No. 7815

Description of Sample: Waste Oil From VENICE PLANT, 1828 GRATIOT ST., 500 E. BROAD
(Three samples from each tanker compartment) Pumped into the Day Tank at the MEER
Ashley Plant PLAN

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and
analysis.), BTU/Lb.

Remarks: (Include special conditions which may influence type of test)
Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div.	Major	Minor	Loc.	Budget	W.O.
61	512			80	

Requested by: P. R. Pike

Department: Environmental Services Dept.

Copies to:

- J. D. Murphy - Ashley Plant
- F. X. Blood - Lab. Services L
- J. K. Carpenter - Lab. Service
- G. E. Kerr - Lab. Services De
- C. A. Zale - Lab. Services De
- G. S. Kramer - Fossil Fuel De
- File 23-01-B-1
- File - Ashley Oil

Laboratory Data: BTU, 18,587 BTU/Lb

Flash pt > 140°F

HALOGENS: 0.087%

As: < 2 ppm

Recommendations: Cd: < 2 "

Cr: < 2 "

Pb: 78 "

1

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HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 000007	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Union Pacific 1225 - 6th St St. Louis, Mo. 63103		6. US EPA ID Number 170009673305		A. Missouri Department Number 170009673305		
4. Generator's Phone (314) 554 2272		7. US EPA ID Number		B. State Generator's ID - other		
5. Transporter 1 Company Name Union Pacific Co.		8. US EPA ID Number		C. MO. Transporter's ID		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address Denton H. Co. Inc. 12121 Denton H. Rd. Denton, Mo. 63043		10. US EPA ID Number		E. MO. Transporter's ID		
				F. Transporter's Phone		
				G. State Facility ID		
				H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Oil - Combustible Liquid - 14.0000		12. Containers 1001	13. Total Quantity 455	14. Unit GAL	Waste No. MO 170009673305	
b.					MO	
c.					MO	
d.					MO	
Additional Descriptions for Materials Listed Above		Handwritten Instructions for Materials Listed Above				
15. Special Handling Instructions and Additional Information See back of manifest for additional info.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.						
Printed/Typed Name H. L. Rich		Signature H. L. Rich		Date Month Day Year 07/17/86		
17. Transporter 1 Acknowledgment of Receipt of Materials		Date				
Printed/Typed Name James A. Starr		Signature James A. Starr		Month Day Year 07/17/86		
18. Transporter 2 Acknowledgment of Receipt of Materials		Date				
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name J. Oviatt		Signature J. Oviatt		Date Month Day Year 07/21/86		

GENERATOR

TRANSPORTER

FACILITY

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HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
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1-800-424-8802
CHEM TREC
1-800-424-9300

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Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D 0 9 6 7 3 3 6 0 5	Manifest Document No. 0 0 1 T T	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Union Electric Company 12121 Dorsett Road, Maryland Heights, MO 63042				A. Missouri Manifest Document Number A-1-3-17-15	
4. Generator's Phone ()				B. State Generator's ID A1575	
5. Transporter 1 Company Name Union Electric Company		6. US EPA ID Number M O D 0 9 6 7 3 3 6 0 5		C. MO. Transporter's ID 2-1017	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 524-2201	
9. Designated Facility Name and Site Address Ashley Plant 4 Ashley Street St. Louis, MO 63107		10. US EPA ID Number		E. MO. Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Oil, Combustible Liquid, N.O.S. NA1993				12. Containers 0 0 1 T T	13. Total Quantity 3500 G
				14. Unit G	15. Waste Number
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.					
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name: E. V. RENAUD Signature: E. V. Renaud Date: 10/21/21				18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name: [Signature] Signature: [Signature] Date: 10/21/21	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: [Signature] Signature: [Signature] Date: 10/21/21					

Job No. 430

L.S. # 86888

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

M9577
10/18/86

(One Sheet per Group of Analyses)

Date 7/18/86

Sample No. or Identification: TRANSFER REQUISITION NO. 5055

Description of Sample: WASTE OIL FROM 1828 GRATIOT ST. AND DORSETT
PUMPED INTO DAY TANK AT THE ASHLBY PLANT WARREN

Analysis Desired: FLASHPOINT, TOTAL HALOGENS, ARSENIC, CADMIUM, CHROMIUM, LEAD

Remarks: (Include special conditions which may influence type of test)

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.

61 512 80

Requested by: PAUL PIKE

Department: ENVIRONMENTAL SERVICE

Copies to: JAMES MURPHY ✓

GERRY KERR

FRANK BLOOD

KEN CARPENTER

Laboratory Data: % S 0.14 FILE

BTU/lb 18,118

FLASH PT 130°F.

CHLORINE % WT. 1.510

Arsenic, ppm by wt 2 2

Cadmium, " " " " " " 2 2

Chromium, " " " " " " 2 11

Lead, " " " " " " 2 340

08

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
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Division of Environmental Quality
Waste Management Program
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314-751-3241
HAZARDOUS WASTE MANIFEST

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DEPT. OF NATURAL RESOURCES
314-834-2436

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Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 00001		2. Page 1 of 1		Information in the shaded areas is required by State law.					
3. Generator's Name and Mailing Address UNION Electric Co. 12121 Dorsett Rd. Maryland Heights, Mo. 63042						A. Missouri Manifest Document Number 41131750001							
4. Generator's Phone ()						B. State Generator's ID - other							
5. Transporter 1 Company Name UNION Electric Co.						6. US EPA ID Number 41000916733605							
7. Transporter 2 Company Name UNION Electric Co.						8. US EPA ID Number							
9. Designated Facility Name and Site Address UNION Electric Co. Ashley Plant Ashley & Wharf St. ST. LOUIS, MO. 63102						10. US EPA ID Number							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol.		15. Waste No.	
a. Waste oil combustible liquid						221		7100				MO. 003	
b. NA 1993												Other	
c.												MO.	
d.												Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information If Spilled, Contain and Clean up.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.													
Printed/Typed Name Otto J Cook						Signature Otto J Cook						Month Day Year 01 10 87	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Albert T. LePage						Signature Albert T. LePage						Month Day Year 01 11 87	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

GENERATOR
TRANSPORTER
FACILITY
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TSDF FINAL COPY - PART 4

Job No. 430

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date 1-7-87

Sample No. or Identification: Transfer Requisition No. 6803

Description of Sample: TRANSFORMER Oil From FAIRVIEW HEIGHTS SUBSTATION
(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

Remarks: (Include special conditions which may influence type of test)
Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.
61 S12 80

Requested by: P. Pike

Department: Environmental Services

Copies to: J. Murphy - Ashley
F. X. Blood
J. K. Carpenter
G. E. Kerr
C. A. Zale
File 23-01-B-1
File - Ashley Oil

Laboratory Data: FLASH POINT 136°F

TOTAL HALOGENS 2.003%

PCB: 7 ppm MIXED PCBs

As: 22 ppm

Recommendations: Cd 22 "

Cr 22 "

Pb 25 "

BTU/lb: 19,439

(189)

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
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HAZARDOUS WASTE MANIFEST

same print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M.O.D.0.0.0.6.8.7.3.9.2		Manifest Document No. 0.0.0.0.1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Union Electric Company Operations Storeroom P.O. Box 620 Fulton, MO 65251 4. Generator's Phone (314) 676-8668						A. Missouri Manifest Document Number A 3 1 8 0 0 0			
5. Transporter 1 Company Name Union Electric Company						B. State Generator's ID - other A3518			
6. US EPA ID Number M.O.D.0.9.6.7.3.3.6.0.5						C. MO. Transporter's ID H1027			
7. Transporter 2 Company Name						D. Transporter's Phone 621-3222			
8. US EPA ID Number						E. MO. Transporter's ID			
9. Designated Facility Name and Site Address Ashley Plant Ashley & Wharf Sts. St. Louis, MO 63102						F. Transporter's Phone			
10. US EPA ID Number						G. State Facility's ID 2R020			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste Oil, Flammable Liquid, NOS UN1993						12. Containers 0 0 1 T T		13. Total Quantity 60.00 GAL	
								14. Unit W/Vol	
								1. Waste No. MO 0 0 1	
								Other	
								MO	
								Other	
								MO	
								Other	
								MO	
								Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a.									
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information If spilled, contain and clean up.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.									
Printed/Typed Name Gregory D. Sellmeyer					Signature Gregory D. Sellmeyer			Date 09/03/86	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name James A. Starr					Signature James A. Starr			Date 09/03/86	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name Don New					Signature Don New			Date 09/04/86	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JOSEPH OVIES					Signature Joseph Ovies			Date 09/04/86	

TSDF FINAL COPY - PART 4

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY

Sub No. 430

LS#
861094

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date 9-5-86

Sample No. or Identification: Transfer Requisition No. 5069

Description of Sample: Waste Oil From CALLAWAY PLANT

(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)

(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

COMPOSITE sample

Remarks: (Include special conditions which may influence type of test)

Metals analyses to be sent out to Industrial Testing Lab.

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.

61 512 80

Requested by: P. Pike

Department: Environmental Services

Copies to: J. Murphy - Ashley
F. X. Blood
J. K. Carpenter
G. E. Kerr
C. A. Zale
File 23-01-B-1
File - Ashley Oil

Laboratory Data: Flash Point = 120°F

Total Halogens - 0.17%

Arsenic, 2 by wt - < 2

Cadmium, " - < 2

Recommendations: Chromium, " - 3

Lead, " - 1070

BTU/lb - 17330

del

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
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1-800-424-9300

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HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO D 0 9 6 7 3 5 5 0 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Union Electric Company 12121 Dorsett Road, Maryland Heights, MO 63042						A. Missouri Manifest Document Number			
4. Generator's Phone						B. State Generator ID			
5. Transporter 1 Company Name Union Electric Company						C. MO Transporter ID			
6. US EPA ID Number MO D 0 9 6 7 3 5 5 0 3						D. Transporter Phone			
7. Transporter 2 Company Name						E. MO Transporter ID			
8. US EPA ID Number						F. Transporter Phone			
9. Designated Facility Name and Site Address Ashley Plant 4 Ashley Street St. Louis, MO 63107						G. State Facility ID			
10. US EPA ID Number						H. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. Waste Oil, Combustible Liquid, N.O.S. NA1993						0-0-1 T-T		3000 G	
b.									
c.									
d.									
14. Additional Descriptions for Materials Listed Above						K. Handling Codes (See Volume Listed Above)			
15. Special Handling Instructions and Additional Information									
If spilled, contain and clean up. Keep out of waterways.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.									
Printed/Typed Name JOSEPH OVIE				Signature <i>Joseph Ovie</i>		Date Month Day Year 12/1/86			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Don Miller				Signature <i>Don Miller</i>		Date Month Day Year 12/1/86			
18. Transporter 2 Acknowledgement or Receipt of Materials									
Printed/Typed Name				Signature		Date Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JOSEPH OVIE				Signature <i>Joseph Ovie</i>		Date Month Day Year 12/1/86			

TSDF FINAL COPY - PART 4

THIS COPY IS TO BE RETAINED BY THE DESIGNATED FACILITY.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program

P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-6802
CHEM TREC
1-800-424-9300

THIS DOCUMENT MUST BE
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HAZARDOUS WASTE MANIFEST

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Form Approved OMB No. 2000-0403 Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 104202		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address VENICE POWER PLANT MAIN & MCKINLEY BRIDGE VENICE, ILL. 62090						A. Missouri Manifest Document Number							
4. Generator's Phone (314) 621-3222						B. State Generator's ID							
5. Transporter 1 Company Name UNION ELECTRIC CO.						C. MO Transporter's ID							
6. US EPA ID Number MO0098722605						D. Transporter's Phone							
7. Transporter 2 Company Name						E. MO Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address DORSETT WAREHOUSE 12121 DORSETT RD MARYLAND HEIGHTS MO.						G. State Facility ID							
10. US EPA ID Number						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. WASTE OIL FLAMMABLE LIQUID UN1793						201 TT		600		G		MO	
b.													
c.													
d.													
16. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information IF SPILLED, CONTAIN & CLEANUP						ILL TRANSPORTOR # 118004 ILL FACILITY # 721890008							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and applicable state regulations.													
Printed/Typed Name R.O. WEBER					Signature [Signature]					Date Month Day Year 12/1/96			
17. Transporter 1 Acknowledgement of Receipt of Materials										Date			
Printed/Typed Name DON LINZBACH					Signature [Signature]					Month Day Year 12/1/96			
18. Transporter 2 Acknowledgement or Receipt of Materials										Date			
Printed/Typed Name Don New					Signature [Signature]					Month Day Year 12/1/96			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JOSEPH OVIES					Signature [Signature]					Date Month Day Year 12/1/96			

TSD FINAL COPY - PART 4

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Job No. 430

LS# 861487

REQUEST FOR ANALYSIS
CENTRAL LABORATORY

(One Sheet per Group of Analyses)

Date 12-23-86

Sample No. or Identification: Transfer Requisition No. 5097

Description of Sample: Waste Oil From DORSETT WAREHOUSE AND VENICE PLANT
(Three samples from each tanker compartment) Pumped into the Day Tank at the Ashley Plant

Analysis Desired: Total Halogens, Flash Point (Closed cup to 140°F), Metals (As, Cd, Cr, Pb)
(Follow special waste oil analysis procedure for bottle cleaning, compositing and analysis.)

Remarks: (Include special conditions which may influence type of test)

Metals analyses to be sent out to Industrial Testing Lab. (Rec'd 2/2/87)

CHARGE ACCOUNT:

Div. Major Minor Loc. Budget W.O.

61 512 ——— 80 ———

Requested by: P. Pike

Department: Environmental Services

Copies to: J. Murphy - Ashley

F. X. Blood

J. K. Carpenter

G. E. Kerr

C. A. Zale

File 23-01-B-1

File - Ashley Oil

Laboratory Data: FLASH PT. : >140°F

TOTAL HALOGENS: 1.64 %

Cd: < 2 ppm

Cr: 7.2 ppm

Recommendations: Pb: 168 ppm

As: < 2 ppm

(12)

Attachment 4

Day Tank
Weekly Inspection

Inspection Date 6/13/87 Time 4⁰⁰ P.M.
Inspector's Name J. HALEY

A. Visually check the following for any sign of leakage:

1. Tank Structure ✓
2. Drain Valve ✓
3. Suction Heater ✓
4. Fill Piping ✓

B. Visually check the following for any sign of deterioration or need of repair:

1. Earth Containment Dike ✓
2. Concrete Wall ✓
3. Fence ✓

Note below any repairs needed. If none are needed state so. If a repair or remedial action has been taken, state nature of action and the date.

all o.k.

Signed J. Haley

Forward this report to the Engineering Office when complete.

Attachment 5

HAZARDOUS WASTE RECEIVED
REPORT

Date Received 1/14/86

Date Inspected 1/14/86

Inspector's Name J. Davis

Accompanying Manifest Document Number 0001

Description of Waste Material Waste oil flammable
liquid NOS UN 1993

Does the received waste material match the identity of the waste designated on the accompanying manifest? yes

Remarks or Observations:

Oil Picked up at Airport Sub
2,000 gal
No Water

Signed J. Davis

Job No. 1184
1/9/81

Please forward this form with accompanying manifest to the Engineering Office.

THIS DOCUMENT MUST BE
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DESTINED SHIPMENTS.

HAZARDOUS WASTE MANIFEST

ease print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2000 0404 Expires 7 31 86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page <u> </u> of <u> </u>		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <i>Union Electric Co</i> <i>12121 Sunset Rd</i>						A. Missouri Manifest Document Number <i>111111</i>							
4. Generator's Phone <i>(314) 1021-3222 FAX 177-21</i>						B. State Generator's ID - other <i>41111</i>							
5. Transporter 1 Company Name <i>Shine</i>			6. US EPA ID Number			C. MO. Transporter's ID <i>111111</i>							
7. Transporter 2 Company Name <i>Shine</i>			8. US EPA ID Number			D. Transporter's Phone							
9. Designated Facility Name and Site Address <i>Ashley Plac + St Louis Mo.</i>						E. MO. Transporter's ID							
						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. <i>WASTE OIL FLAMMABLE LIQUID</i> <i>NOX UN 1993</i>												MO.	
												Other	
b.												MO.	
												Other	
c.												MO.	
												Other	
d.												MO.	
												Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information <i>If spilled contain and clean up</i>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national governmental regulations and applicable state regulations.													
17. Transporter 1 Acknowledgement of Receipt of Materials						Date							
Printed/Typed Name						Signature							
<i>John T. ...</i>						<i>[Signature]</i>							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date							
Printed/Typed Name						Signature							
<i>...</i>						<i>[Signature]</i>							
19. Discrepancy Indication Space													
20. Owner or Generator Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature							
<i>...</i>						<i>[Signature]</i>							

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 1368 Jefferson City, Missouri 65102
314-751-3241

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300

HAZARDOUS WASTE MANIFEST

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Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No: M.O.D.0.9.6.7.3.3.6.0.5		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Union Electric Company 12121 Dorsett Rd., Maryland Heights, MO 63042						A. Missouri Manifest Document Number A 1-3-3-1-100-05							
4. Generator's Phone ()						B. State Generator's ID - other 1A1375							
5. Transporter 1 Company Name Union Electric Company						C. MO Transporter's ID 1-1027							
6. US EPA ID Number M.O.D.0.9.6.7.3.3.6.0.5						D. Transporter's Phone 314-322-8377							
7. Transporter 2 Company Name						E. MO Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address Ashley Plant 4 Ashley St. St. Louis, MO 63107						G. State Facility's ID R2-020							
10. US EPA ID Number						H. Facility's Phone 314-322-8377							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Waste Oil, Combustible Liquid, N.O.S. NA1993						0-0-1		1850		C		MO 0-0-1 Other	
b.												MO Other	
c.												MO Other	
d.												MO Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.													
b.													
c.													
d.													
16. Special Handling Instructions and Additional Information If spilled, contain and clean up. Keep out of waterways.													
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Printed/Typed Name E. V. ENAUD						Signature [Signature]						Date Month Day Year 0 . .	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Robert A. Crites						Signature [Signature]						Date Month Day Year . .	
18. Transporter 2 Acknowledgement or Receipt of Materials													
Printed/Typed Name						Signature						Date Month Day Year . .	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Date Month Day Year . .	

GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSCF.